

Application No.: 10/683,758

Docket No.: JCLA12019

AMENDMENTS**In the Claims:**

1. (currently amended) A refrigerant cycling device, comprising:

a compressor, connected to ~~a heat exchanger~~ at least two heat exchangers and a depressurizing means, for performing a cooling operation and a heating operation, wherein the compressor further comprises a first and a second rotary compression elements, and a refrigerant that is compressed and discharged by the first rotary compression element is introduced to the second rotary compression element;

an intermediate cooling circuit for radiating heat of the refrigerant discharged from the first rotary compression element; and

a valve device for opening a passage that allows the refrigerant discharged from the first rotary compression element passing through the intermediate cooling circuit before entering the second rotary compression element during the cooling operation.

2. (currently amended) The refrigerant cycling device of claim 1, wherein the heat ~~exchanger is~~ exchangers are constructed by a first heat exchanger at a user side and a second heat exchanger at a heat source side, and the refrigerant cycling device further comprises an internal heat exchanger for cycling the refrigerant discharged from the first rotary compression element through the second heat exchanger at a heat source side, the depressurizing means and the first heat exchanger at a user side during the cooling operation, and for cycling the refrigerant

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discharged from the compressor through the first heat exchanger at a user side , the depressurizing means and the second heat exchanger at a heat source side during the heating operation, so as to perform a heat exchange between the refrigerant flowing between the depressurizing means and the second heat exchanger at a heat source side and the refrigerant flowing between the compressor and the first heat exchanger at a user side.

3. (original) The refrigerant cycling device of claim 1, wherein carbon oxide is used as the refrigerant.